

ROLLER BEARING RY. CARS IMPRACTICAL

Engineers Here Say Sir Henry
Thornton's Device Dis-
carded One.

COST TOO PROHIBITIVE

Even if Feasible as Fuel Saver
Equipment Would Total
\$500,000,000.

Mild cynicism and a somewhat skeptical attitude was evinced by mechanical engineers and experts in railroad equipment and operation who commented yesterday upon published reports that Sir Henry Thornton, general manager of the Great Eastern Railways of England, had achieved at last the successful construction of roller bearings for railway trains.

Sir Henry before he went to England and was knighted was the superintendent of the Long Island Railroad. In a copyrighted cable dispatch to the Philadelphia Public Ledger he is reported to have proved by tests "that a twenty-seven ton coach which without bearings took seven men to push could be pushed easily by one man when equipped with roller bearings." The report added that "saving in fuel consumption due to this fact is expected to be in the neighborhood of 30 per cent."

Howard Ingersoll, assistant to the president of the New York Central Lines, a recognized expert of high standing in railway mechanics and operation, said roller and ball bearings for application to steam railways rolling stock had been protected in America for years by patent rights. "Four years ago," he said, "I tried out this device on the Central Railroad of Mexico, but never have recommended its general adoption. Railway men are familiar with it, but thus far its practicability as applied to American transportation conditions has not appeared seriously to anybody. The proof of the pudding is in the eating thereof."

"Assuming the cable report to be quite accurate," Mr. Ingersoll continued, "this roller bearing device costs \$200 for each car on which it is installed. To equip with it all the freight cars in the United States would cost \$500,000,000 at the least calculation, and that looks pretty big. If a twenty-seven ton coach was pushed easily by one man I must assume that the coach was on a level track and also that its inertia had been overcome before the man began to push. American freight cars laden to capacity frequently weigh fifty tons. They are more like travelling warehouses than coaches. Hook a long train of them together, start them up even a light 1 or 2 per cent. grade and you face conditions very different, I fancy, from those under which Sir Henry's test was made."

Mr. Ingersoll scouted the suggestion that roller bearings, at least in American railroad conditions, could effect a general saving in fuel consumption of 30 per cent. He pointed out that fuel consumption, furthermore, is determined not only by axle friction but also by track friction, wind resistance, gradient and many other factors.

H. N. Lathey, chief engineer of the Bureau of Equipment and Operation of the State Transit Commission, read the dispatch and said: "For thirty years I have been hearing just such claims. Since 1895, at least, engineers have been experimenting with both roller and ball bearings as applied to rail borne rolling stock. But as yet these devices are not used to any material extent except in some cases upon light weight surface car equipment, such as some of the so-called one man trolley cars now being operated in this city and elsewhere."

Mr. Lathey added that without knowing either the precise character of Sir Henry's perfected device or the exact conditions under which his practical tests were made he did not care to comment further. He was frankly skeptical, however, concerning the possibility of a 30 per cent. fuel economy.

\$50,000 IN WIFE'S NAME; PENILESS, HE SAYS

Brooklyn Man Declares He
Was Evicted From Own Home

With a fortune of \$50,000 he amassed held in his wife's name, who now refuses even to give him a home, he alleges. Solomon Rettig, father of twelve children and married thirty-five years, in the Supreme Court, Brooklyn, yesterday asked for an injunction restraining his wife from using any of \$50,000 in various savings banks.

Mrs. Rettig lives at 141 Beach Eighty-first street, Brooklyn. Rettig says he married her thirty-five years ago in Galicia and came here five years later, going to work as a pushcart peddler. He says he remembers giving his wife the first \$150 for a savings account and asserts "she now has over \$50,000 in her own name and she refuses to give me a cent."

Eight months ago his wife and two of his older sons ejected him and threatened bodily injury. Nevertheless, three months later they let him come home again, but one month later out he went again. He says:

"My wife dominated over me with increasing severity, and particularly so since I have not been able to do any work during the last few years. My wife and older sons treat me with contempt."

Rettig submitted affidavits from neighbors attesting his industry and good character, and a daughter, Mrs. Sarah Gristen, corroborated the father's charges. He wants a receiver appointed until the ownership of the bank accounts and also of a considerable quantity of real estate is determined judicially.

WIFE OF STOREKEEPER JAILED AS SHOPLIFTER

Mrs. Cecelia Cohen Sentenced
to 30 Days in Workhouse.

Mrs. Cecelia Cohen, 40, of 178 Madison street, mother of three children, was sentenced yesterday to thirty days in the workhouse in Special Sessions upon her plea of guilty to the theft of a \$25 blouse from Gimbels' last April. A probation officer reported that her husband, a store operator, was in sound financial circumstances.

She was arrested on April 26 by detectives of the Stores Mutual Protective Association. They told the court they had been watching the woman for several weeks as they were almost certain she had been pilfering from the counters of the department store. Relatives will care for her children. It was learned, while Mrs. Cohen is a prisoner.



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FIFTH AVENUE



Printed Canton Crepe
Blouses \$9.75

Do the so-favored printed things suit you? The simple direct designs and colorings in the art of the South Seas that have inspired the printed cottons of summer have inspired the silks for fall. Blouses of this are most fascinating and becoming. One model has a deep hip girdle, another is the long over-blouse type with the string belt.

Knickerbocker Golf Suit \$39.50

Women who take an active part in sports can find nothing more satisfactory than this suit available in several effective shades of imported tweed. To be worn with knickers on the links, and combined with the skirt for motoring, or town wear, \$39.50

New fall knickers of colorful imported woolsens. \$5. Sizes 14 to 42.

Then you will want to see our new riding habits that are quite reasonable. Excellently tailored models, \$39.50



Women's Canton Crepe
Frocks \$65

For Immediate Wear

Sleeves are no less important this Fall than last, but have taken other modes of expression. A sleeve that will be much worn this season is tight at the wrist and draped at the elbow. A band of beading from shoulder to cuff elaborates this sleeve in the above Canton crepe model. Just one fashion point and one model taken from our advance collection of frocks. Do make it a point to see them tomorrow at ten.

Continuing the August Sale of

Oriental Rugs

This Sale gives you an opportunity to obtain a beautiful Oriental, Chinese or Persian rug, rich in coloring and design, at a most moderate price. The assortment is large and complete and you are almost certain to find the rug you are looking for. They are all excellent values.

A Few Values in Large Sizes

Ghorevan, 12.8 x 10,	\$275	Lilian, 11.6 x 10,	\$675
Chinese, 13.6 x 10,	295	Sarouk, 12.9 x 9,	725
Hamadan, 14.7 x 9,	475	Chinese, 18.6 x 11,	750
Chinese, 14.9 x 10,	485	Laristan, 17.2 x 11.2,	750
Laristan, 15.9 x 10.10,	515	Chinese, 19 x 11.3,	975
Arak, 14.6 x 11.2,	650	Hamadan, 21 x 14,	1150
Hamadan, 14.3 x 10.9,	650	Sarouk, 20.9 x 13,	1750
Chinese, 19.6 x 10,	675		

FIFTH FLOOR

Velvet

Smart for Autumn

"One-piece frocks of velvet will be seen in the August collections," writes our Paris correspondent, and elaborates further by saying that Chiffon velvet with erect pile is preferred. We are offering simultaneously with the openings:

Black chiffon velvet, erect pile, 40 inches wide, yard, \$3.95

Also excellent quality black Charmeuse and crepe de Chine, 40 inches wide, \$1.95

And black Canton crepe, 40 inches wide, in an excellent value at \$3.95

GROUND FLOOR

Madras and Batiste Shirtings

\$1.25 yd.

Innumerable delightful patterns and color combinations make this a most interesting assortment of men's Scotch shirtings. The selection is so wide, running from stripes of different widths to large and small checks and plaids, that you'll surely find the pattern you wish.

At 85c and \$1 yd.

This is another selection of men's shirtings of good quality.

SECOND FLOOR

Two Specials—August Linen Sale

Cloths and Napkins

Pure Irish linen damask. Circular design. Table cloths, 70 x 70 inches, \$3.95. Napkins to match, 22 x 22 inches, \$4.95 dozen.

Towels, \$6.75 dozen

All pure linen huck towels, hemstitched, with damask borders. Space for monogram. Priced especially low for the August Sale.

SECOND FLOOR

Another Special Purchase

Draped Negligees \$10.75

Everybody seems to want these softly draped negligees and everybody seems to want them made of crepe-back satin. We have just secured another group at a price, in such a lot of lovely shades—pink, rose, French blue, orchid, turquoise.

Quilted Silk Robes, \$15.75 — Crepe de Chine for softness and lamb's wool lining for warmth makes an ideal robe. Fall model with Tuxedo collar, silk lined throughout.

Lingerie Costume Slips, at \$1.95 — They have a hip-deep shadow-proof hem and are edged with embroidery or filet lace.

SECOND FLOOR

Special Values in the August

Sale of Furs

Of course it's a purely personal matter, whether you take your fur coat, long or short, squirrel or nutria, trimmed or untrimmed. But which ever way your taste inclines you'll find a coat to meet it in this Sale. Many kinds of furs, for example—

Our Caracul Coats

The sports model, with squirrel collar, cuffs and pockets, is 32 inches long, \$345

A very short skating coat of caracul with graceful wide sleeves. 28 inches long, \$245

A luxurious long coat with the Jenny sleeve and wide cuff is kolinsky trimmed, \$695



Skunk collar and cuffs are becoming on a 47 in. long coat with wide sleeves, \$395

A caracul cape with crush collar of kolinsky has graceful lines, \$795

And there are other styles developed in caracul. You must see them for yourself.

FOURTH FLOOR

Women's Marvella Coats

For Early Fall Motoring and Travel

Just the thing to throw over light frocks now as the days grow cooler and to satisfactorily and punctually settle the problem of a modish winter coat later. Simple of line, developed of the new shades of this soft piled fabrics. Various and reasonably priced at \$69.50, \$79.50, \$89.50

THIRD FLOOR

Dark Silk Skirts for Fall \$9.75

You've been wearing your summer skirts quite a time now and will welcome a change to new ones for the rest of the season. Particularly as the days grow cooler and the sweater is an inevitable part of your costume. These skirts of Roshanara crepe are made in the so much favored plain models and in fashion's chosen colors, brown, navy blue, black and grey. Also plaited prunella skirts, navy and tan, brown and tan, black and white are excellent values at \$12.75

THIRD FLOOR

Women's • Silk Umbrellas \$4.95

Full size silk umbrellas with matching silk case. Spoon tips and ferrules are finished in the same fashion as the handles, which may be had in different styles. Blue, brown, green, purple, garnet and black are the colors.



An Early Fall Note in
Shoes is this

Strap Pump \$8.75

A new shoe for the new season. It is a graceful strap pump, in patent leather, with medium Louis heel.

White Shoes, a clearance at \$3.85—Entire stock of white oxfords and pumps. Some formerly double the present price. All now \$3.85

SECOND FLOOR

An Imported Musical Powder Box \$10

A new shipment of these fascinating tune boxes marked at a very low price.

Very dainty boxes—pink or blue novelty metal (it looks like enamel) with a French medallion on the top. Swansdown puff in each. And, oh! the merry tunes it plays.

GROUND FLOOR

Special August Selling of Women's Silk Hosiery

At \$1.25

At \$1.75

At \$1.85

At \$1.85

At \$2.25

At \$2.45

Full-fashioned silk hose. Black, white and a variety of colors. Lisle soles and tops.

Extra heavy black silk hose. Full-fashioned, with lisle soles and tops.

All silk, excellent quality. In black, white, grey, rose-beige, brown and polo.

"Pointex" heel, silk hose. Black, white and innumerable attractive colors.

Silk hose in odd sizes. Black, white, brown. Open-work instep, some open-clocked.

Sheer silk, black, white, African, russet, silver, grey, gunmetal, polo, rose-beige.

GROUND FLOOR